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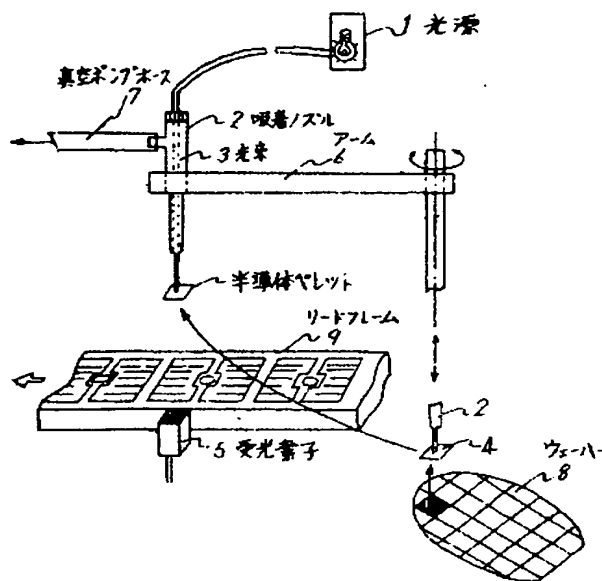
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APPLICANT : NEC CORP;

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TITLE : MANUFACTURING EQUIPMENT FOR SEMICONDUCTOR DEVICE



ABSTRACT : PURPOSE: To enable the detection of removing and attracting degrees of a pellet from a nozzle sensitively at conveying time by composing to dispose the pellet on an optical axis of coupling a light source with a photoreceiving machine.

CONSTITUTION: A light source 1 feeds a luminous flux through an optical fiber to the top of a pellet attracting nozzle 2, and a luminous flux 3 thereby generated is passed through the position of a semiconductor pellet 4 to be inspected for the removal or disturbed to be passed to the detecting machine of a photoreceptor 5 or not to be passed thereto. When the quality of light of the prescribed set value or larger is emitted to the photoreceptor 5, it is again attracted by an automatic control mechanism as the pellet is improper or temporarily stopped, and shifted to a mode of an alarm. Thus, stable detection of the removal of the pellet with high sensitivity can be performed to prevent the pellet from contaminating with the die bonding paste and to improve the working efficiency of a die bonder.

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